US Army Corps
of Engineers
Vicksburg District
4155 Clay Street
Vicksburg, MS 39183-3435

Public Notice

APPLICATION NO.:	JCB-200109390
EVALUATOR:	Joyce Butler
PHONE NO.:	(601) 631-5294
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E-MAIL:	regulatory@mvk02.usace.army.mil
DATE:	October 23, 2001
EXPIRATION DATE:	November 12, 2001

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District and the Arkansas Department of Environmental Quality are considering an application for a Department of the Army Permit and State Water Quality Certification for the work described herein. Comments should be forwarded to the Vicksburg District, ATTN: CEMVK-OD-F and the Arkansas Department of Environmental Quality at Post Office Box 8913, Little Rock, AR 72219-8913, and must reach these offices by the cited expiration date.

Law Requiring a Permit: Section 404 of the Clean Water Act (33 U.S.C. 1344), which applies to discharges of dredged or fill material into waters of the United States.

Name of Applicant:

Mr. Jimmie Alford
Alford Engineering Company
106 Waters Edge Cove
Hot Springs, Arkansas 71901

Location of Work: Sections 10 and 11, T4S-R20W, latitude 34°23'37.8917", longitude 93°7'7.9822", within the Ouachita River drainage basin, Garland County, Arkansas.

Description of Work: (See enclosed map and drawings.)

The applicant is applying for a Department of the Army permit to construct an 18-hole golf course at the Sorrells Creek Golf and Country Club. The purpose of the golf course is to provide recreational opportunities to patrons of Garland, Hot Spring, Clark, and Montgomery Counties, as well as more distant markets. The following descriptions of the project and its associated impacts are based on information provided by the applicant.

The proposed project includes the development and construction of an 18-hole golf course on a 1400-acre site. The development would include the 6,860-yard course and seven water hazards/irrigation ponds requiring placement of fill within Sorrells Creek and its side streams. Approximately 7.13 acres of other waters of the United States would be impacted by filling for the dams. The

dams would be constructed using earthen fill material from both offsite and onsite. The dams would have maximum 12-foot top widths and 3:1 side slopes. Additional acreage within the Creek and side streams would be impacted by impoundment for the ponds. Vegetation at the site consists of mixed oaks, hickory, pine, maple, and sweetgum. No wetlands would be impacted by the proposed project.

Construction of water storage basins will be critical to the project. The cultivated acreage (approximately 70 acres) within the golf course would require approximately 475,000 gallons of water per day. City water will not be available for at least two years. The applicant would drill wells for supplemental water, but does not expect these to supply more than 50,000 gallons per day. Upstream reservoirs would not be lined as seepage would be caught in the lowest basin. Approximately 10% of the applied water would make its way back into Sorrels Creek for reuse. The lowest basin (No. 1) would be clay lined to minimize leakage. A minimum discharge volume would be determined to maintain the riparian rights of downstream property owners.

The placement of dredged and/or fill material in waters of the United States associated with dam construction requires a Department of the Army Permit.

Upon reviewing this notice, you should write to this office to provide your opinion of the impacts this work will have on the natural and human environment and address any mitigation you believe is necessary to offset these impacts. Other comments are welcome, but the above information will further our review of the applicant's plan as proposed. Comments of a general nature are not as helpful as those specific to the impacts of the subject project.

State Water Quality Permit: The State Pollution Control Agency must certify that the described work will comply with the State's water quality standards and effluent limitations before a Corps permit is issued.

Cultural Resources: An initial review indicates that the proposed project would not affect any of the sites in Garland County listed in the National Register of Historic Places. Copies of this notice have been sent to the State Historic Preservation Officer, Federally Recognized Tribes, the Corps archaeologists, and other interested parties for comment on potential effects to cultural resources that could result from this activity.

Endangered Species: Our initial finding is that the proposed work would not affect any endangered species or their critical habitat. This proposal is being coordinated with the U.S. Fish and Wildlife Service, and any comments regarding endangered species or their critical habitat will be addressed in our evaluation of the described work.

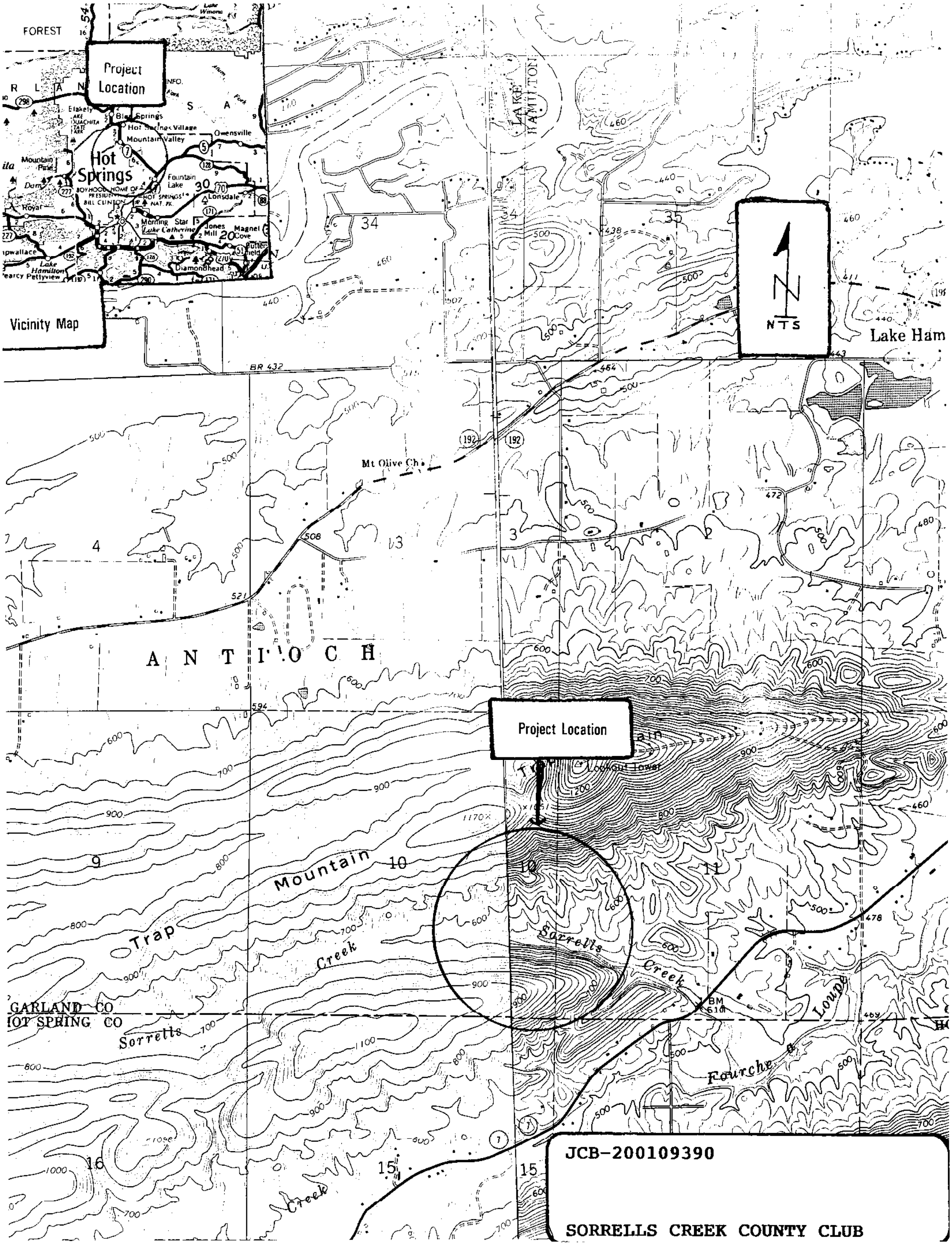
Flood Plain: In accordance with 44 CFR Part 60 (Flood Plain Management and Use), participating communities are required to review all proposed development to determine if a flood plain development permit is required. Flood plain administrators should review the proposed development described in this public notice and apprise this office of any flood plain development permit requirements.

Evaluation Factors: The decision whether or not to issue a permit will be based upon an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which may be expected to accrue from the proposal must be balanced against its expected adverse effects. All factors which may be relevant to the proposal will be considered; among these are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use classification, navigation, recreation, water supply, water quality, energy needs, safety, food requirements and, in general, the needs and welfare of the people. Evaluation of the proposed activity will include application of the guidelines published by the Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act.

Public Involvement: The purpose of this notice is to solicit comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties. These comments will be used to evaluate the impacts of this project. All comments will be considered and used to help determine whether to issue the permit, deny the permit, or issue the permit with conditions, and to help us determine the amount and type of mitigation necessary. This information will be used in our Environmental Assessment or Impact Statement. Comments are also used to determine the need for a public hearing.

Opportunity for a Public Hearing: Any person may make a written request for a public hearing to consider this permit application. This request must be submitted by the public notice expiration date and must clearly state why a hearing is necessary. Failure of any agency or individual to comment on this notice will be interpreted to mean that there is no objection to the proposed work. Please bring this announcement to the attention of anyone you know who might be interested in this matter.

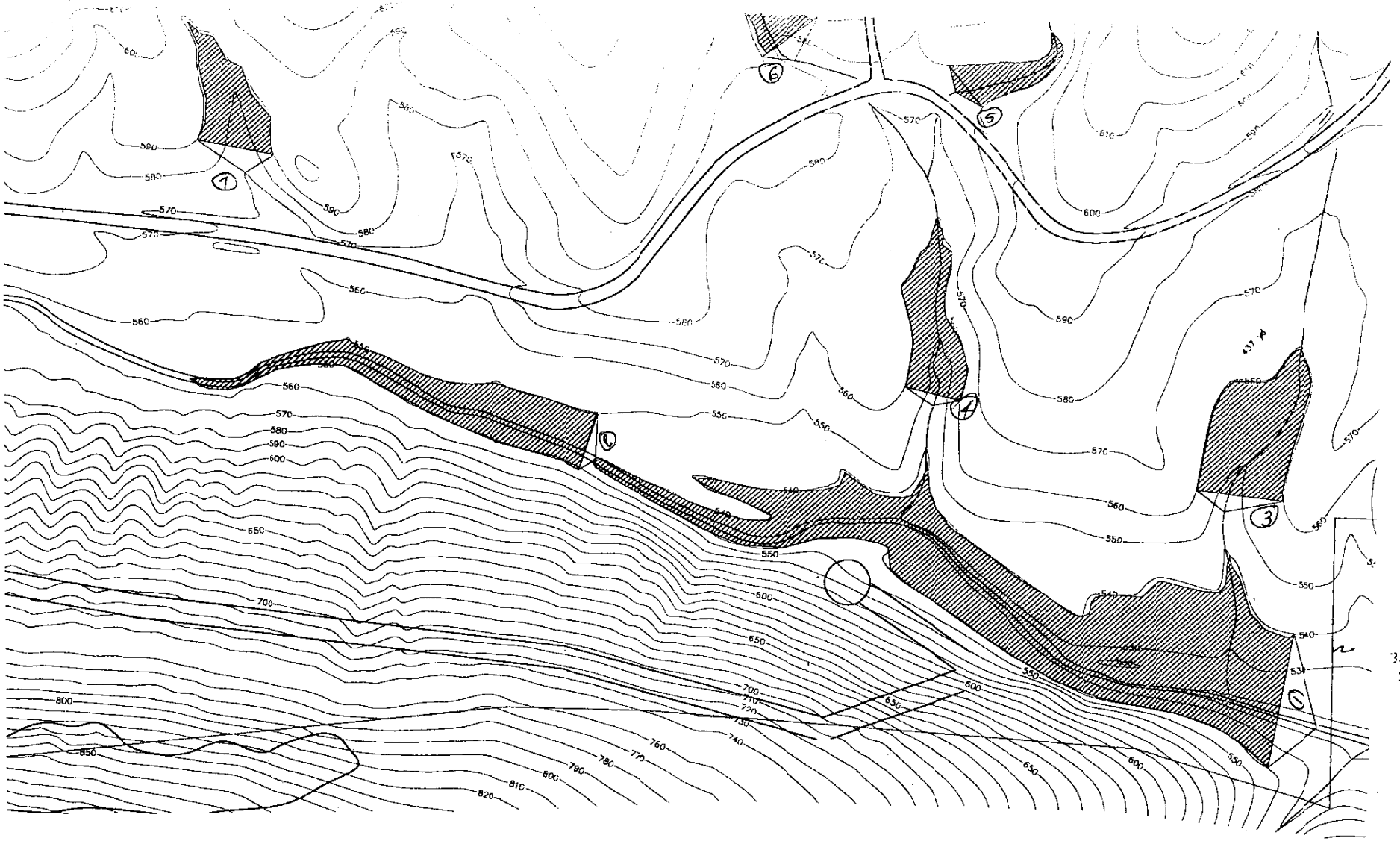
W. Harold Lee
Team Leader
Evaluation Section


Project Location
Vicinity Map
FOREST
Hot Springs
Blakely
Hot Springs Village
Mountain Valley
Owensville
Fountain Lake
Lonsdale
Morning Star
Lake Catherine
Jones Mill
Magnet Cove
Diamondhead
Lake Hamilton
Pearcy
Pettyview
Royal
Mountain Pine
LAKE HAMILTON
Lake Ham
NTS
N
BR 432
Mt Olive Ch
ANTIOCH
Project Location
Lookout Tower
Trap Mountain
Sorrells Creek
Sorrells
Creek
Fourche
Loupe
GARLAND CO
HOT SPRING CO
BM 610
JCB-200109390
SORRELLS CREEK COUNTY CLUB

SORRELLS CREEK GOLF AND COUNTY CLUB
WATER CONTROL STRUCTURES SIZES AND DETAILS

STRUCTURE ID #	SURFACE AREA ACRES	VOLUME STORAGE CUBIC FEET	HEIGHT TO SPILLWAY FEET	LENGTH AT CREST	VOLUME FILLED CUBIC YARDS	BASIN SIZE ACRES	SPILLWAY CAPACITY CFS	SPILLWAY LENGTH FEET	SURFACE PERIMETER FEET
1 MAIN	3.67	1248000	24.00	240.00	7892	836	1902	38	3486
2 MAIN	0.91	128967	10.00	105.00	713	710	1864	37	1573
3 SIDE	0.74	89375	13.00	150.00	1613	15	38	3	476
4 SIDE	0.48	94500	18.00	105.00	2030	17	43	3	656
5 SIDE	0.80	26250	7.00	90.00	334	18	47	3	610
6 SIDE	0.21	58333	14.00	100.00	1227	33	87	6	375
7 SIDE	0.31	99733	16.00	136.00	2122	28	74	5	750
	7.13	1745158			15930				7926

The total storage volume appears to be about 13 million gallons which will serve for watering about a week under the dry weather conditions assuming no inflow and only about 10% return from watering. The total perimeter of all ponds and lakes is available as a replacement wetlands if approved. Of the estimated 16,000 cubic yard of fill required for constructing the structures, approximately half will come from off site due to the nature of the existing subsoil.



DAM LOCATION

INUNDATED AREAS

FPS-200109390

SORRELLS CREEK COUNTRY CLUB